



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

04/08/2011

Chris Davidson
Assistant District Attorney, Plymouth County

Dear ADA Davidson,


Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Lisa Glazer.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Lisa Glazer was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,


Annie Khan (Dookhan)
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us

*The Commonwealth of Massachusetts**Executive Office of Health and Human Services**Department of Public Health**State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours


8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

DRUG RECEIPTCity or Department: MiddleboroPolice Reference No.: Name and Rank of Submitting Officer: Det Tim NeedhamDefendant(s) Name (last, first, initial):
*To be completed by Submitter***Description of Items Submitted***To be completed by Lab Personnel***Gross Weight****Lab Number**

2.5 light green long pills

GB

6.77 gm

26 blue bindles containing powder substance

11.38 gm

1 knotted corner bag containing brown powder substance

3.45 gm

Received by: Date: 10.26.10

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Lisa A. Glazer

Education

Bachelor of Science Degree, CHEMISTRY January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

Employment

Chemist I, II State Laboratory Institute (May 2007-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

Laboratory Technician I (August 2006 – May 2007)

University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- Set-up experiment demonstrations
- Properly disposed of hazardous waste from the experiments
- Made sure labs were being conducted safely
- Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

Intern (September 2005 – November 2005)

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

Trainings

Multijurisdictional Counterdrug Task Force Training (May 20, 2008)

Current Drug Trends – Methuen, MA

Multijurisdictional Counterdrug Task Force Training (May 6, 2009 - May 7, 2009)

Courtroom Testimony – Methuen, MA

DEA Forensic Chemist Seminar (June 21, 2010 - June 25, 2010)

Sterling, VA

No. [REDACTED] Date Analyzed: 1-18-11
City: Middleboro Police Dept.
Officer: Detective TIM NEEDHAM
Def: [REDACTED]
Amount: 2.5 Subst: TAB
No. Cont: 1 Cont: pb
Date Rec'd: 10/26/2010 No. Analyzed:
Gross Wt.: 6.77 Net Weight:
Tests: 1A+2 ASD
Prelim: E Findings: Alprazolam

No. [REDACTED] Date Analyzed: 1/24/11
City: Middleboro Police Dept.
Officer: Detective TIM NEEDHAM
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 26 Cont: gb
Date Rec'd: 10/26/2010 No. Analyzed: 3
Gross Wt.: 11.38 Net Weight: 0.40
Tests: 12 ASD
• 200TG
Prelim: Heroin Findings: Heroin

No. [REDACTED] Date Analyzed: 1/24/11
City: Middleboro Police Dept.
Officer: Detective TIM NEEDHAM
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 10/26/2010 No. Analyzed:
Gross Wt.: 3.45 Net Weight: 0.22
Tests: 1 ASD
• 200TG
Prelim: Heroin Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Middleboro ANALYST ASJ

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTION:

2.5 green rectangular.
tablet in 1 pb

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 0.7865

8 | 90 | 3 

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA () _____

OTHER TESTS

Monomer A ⊕

PRELIMINARY TEST RESULTS

RESULTS Alprazolam

DATE 1-18-11

GC/MS CONFIRMATORY TEST

RESULTS _____

MS
OPERATOR _____

DATE _____

Revised 7/2005

POISINDEX® Product List**Alprazolam****Regulatory-Status:** Schedule IV**Ingredients****Active-Ingredient:** Alprazolam - 2 MG**Excipients:** Lactose
Magnesium Stearate
Cellulose, Microcrystalline
Silicon Dioxide
Sodium Benzoate
Starch (1500)
Green Lake Blend
Crospovidone
Docusate Sodium**Availability & Manufacturing****Availability:** United States**Available-Container-Sizes:** Bottle of 500; Bottle of 100; Bottle of 90**Contact:** Dava Pharmaceuticals**Product ID:** 6828440**AAPCC Code:** 007000 - Benzodiazepines**Registry Numbers:** NDC 67253-0903-50
NDC 67253-0903-10
NDC 67253-0903-09**Physical Description****Imprint:** S 90 3 - The tablet is imprinted with S to the left of the bisect, 90 on the center, and 3 to the right of the bisect.**Alt Imprint:** S903 - The tablet is imprinted with S to the left of the bisect, 90 on the center, and 3 to the right of the bisect.**Form:** Oral Tablet**Color:** Green**Shape:** Rectangle

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DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Marlboro ANALYST ASJ

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

Beige powdered substance
in 2 bags

Gross Wt (26): 5.6952

Gross Wt (3): 0.6297

Pkg. Wt:

Net Wt:

PRELIMINARY TESTS

Spot Tests

3 Cobalt
Thiocyanate (+)
3 Marquis +
3 Froehde's +
3 Mecke's +

Microcrystalline Tests

Gold
Chloride
TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 1-18-11

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR LAG

DATE 1-24-11

Revised 7/2005

Sample #: _____

samples tested: _____

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.2103		0.0462	26			
2	0.2120		0.0189	27			
3	0.2077		0.0111	28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

Calculations:

$$\begin{aligned} \text{Est Net} &= 0.0462 / 3 = 0.0154(26) \\ \text{WT} &= 0.4004 \end{aligned}$$

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Middleboro ANALYST ASJ

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

Beige powdered substance
17 bags

Gross Wt (): 0.2023

Gross Wt ():

Pkg. Wt:

Net Wt: 0.2260

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+)

Marquis +

Froehde's +

Mecke's +

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 1-18-11

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR LAG

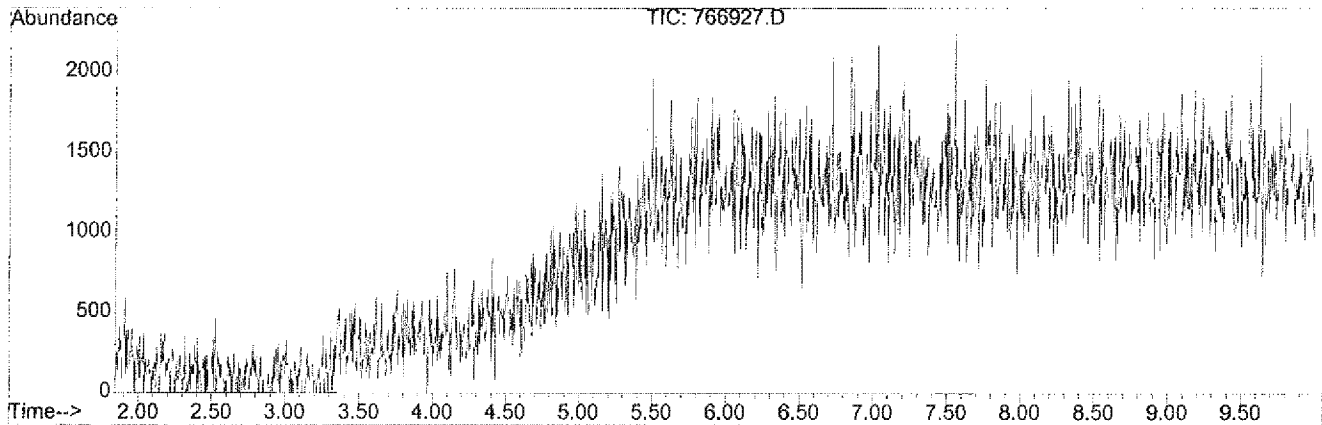
DATE 1-24-11

Revised 7/2005

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766927.D
Operator : LAG
Date Acquired : 20 Jan 2011 17:08
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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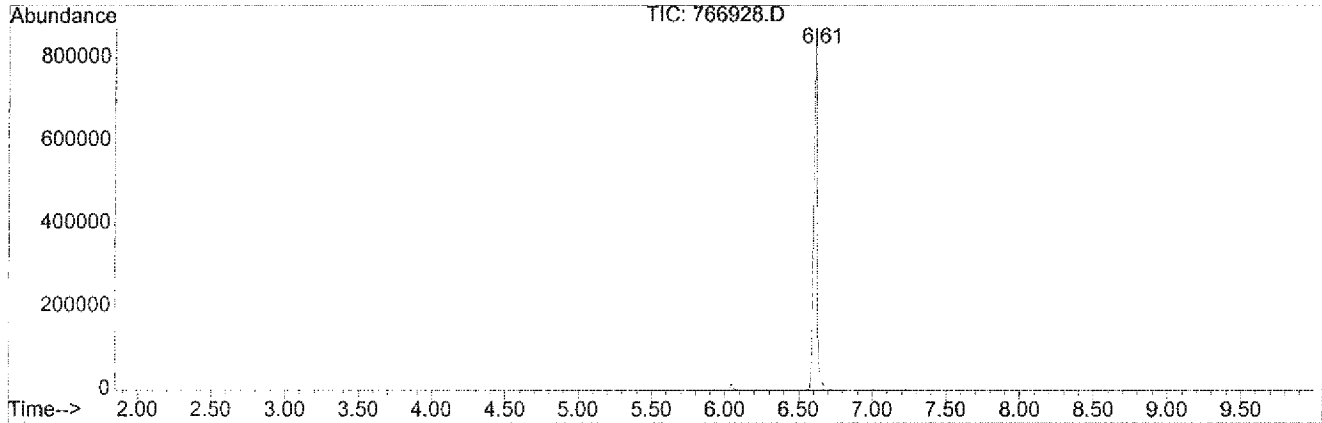
NO INTEGRATED PEAKS

LAG
4/8/11

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766928.D
 Operator : LAG
 Date Acquired : 20 Jan 2011 17:22
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 28
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.609	1367834	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

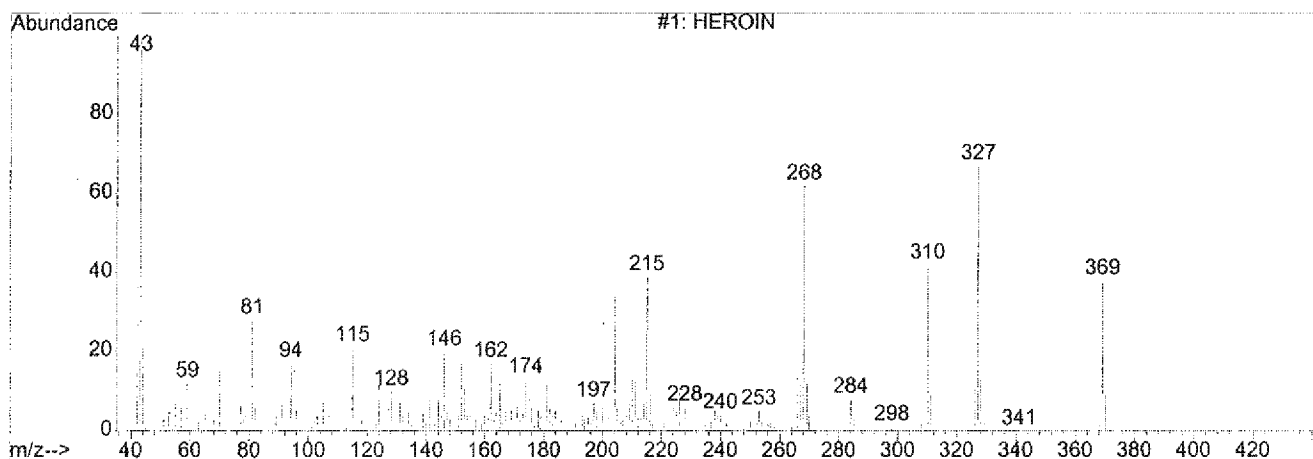
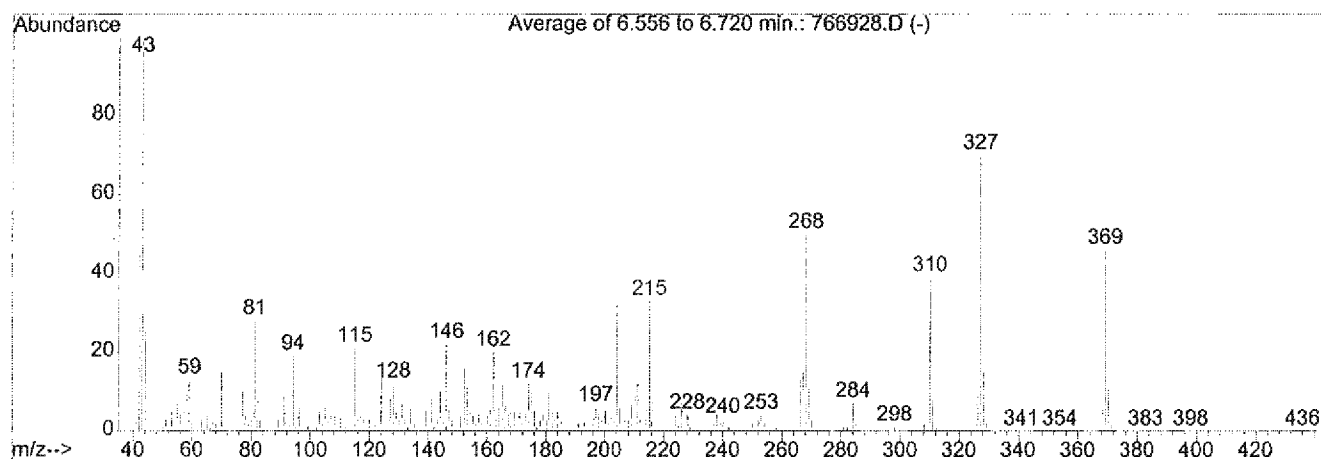
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File Name       : F:\SYSTEM4\01_20_11\766928.D
Operator        : LAG
Date Acquired   : 20 Jan 2011  17:22
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 28
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

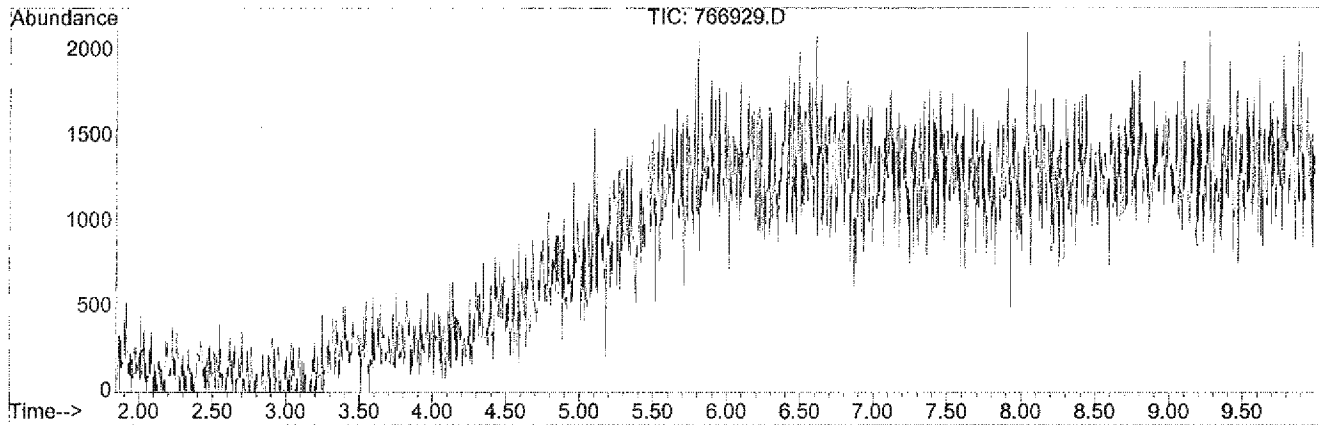
PK#	RT	Library/ID	CAS#	Qual
1	6.61	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766929.D
Operator : LAG
Date Acquired : 20 Jan 2011 17:36
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



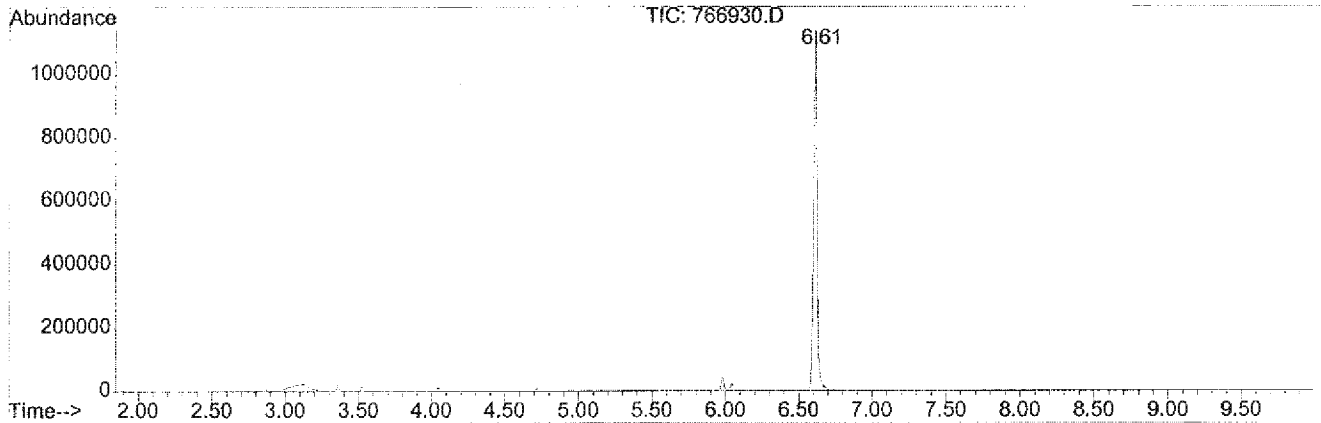
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766930.D
Operator : LAG
Date Acquired : 20 Jan 2011 17:50
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 30
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.610	1840423	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

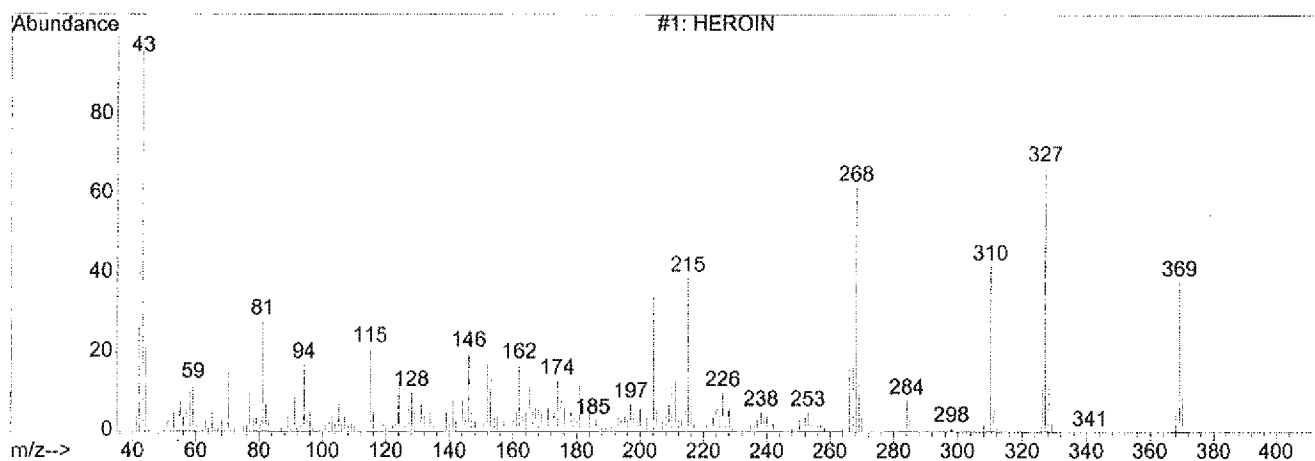
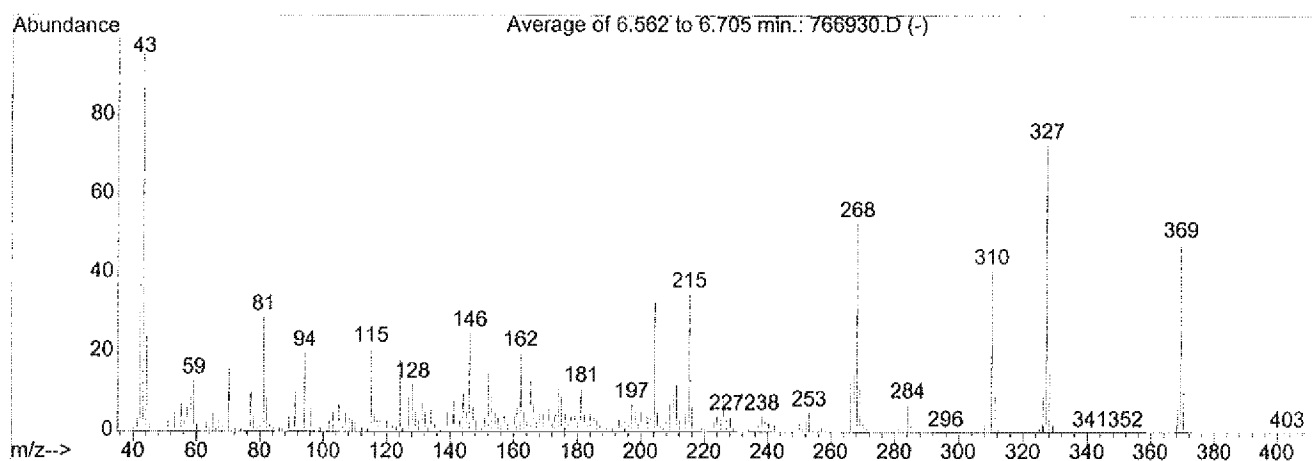
```

File Name       : F:\SYSTEM4\01_20_11\766930.D
Operator        : LAG
Date Acquired   : 20 Jan 2011  17:50
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 30
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

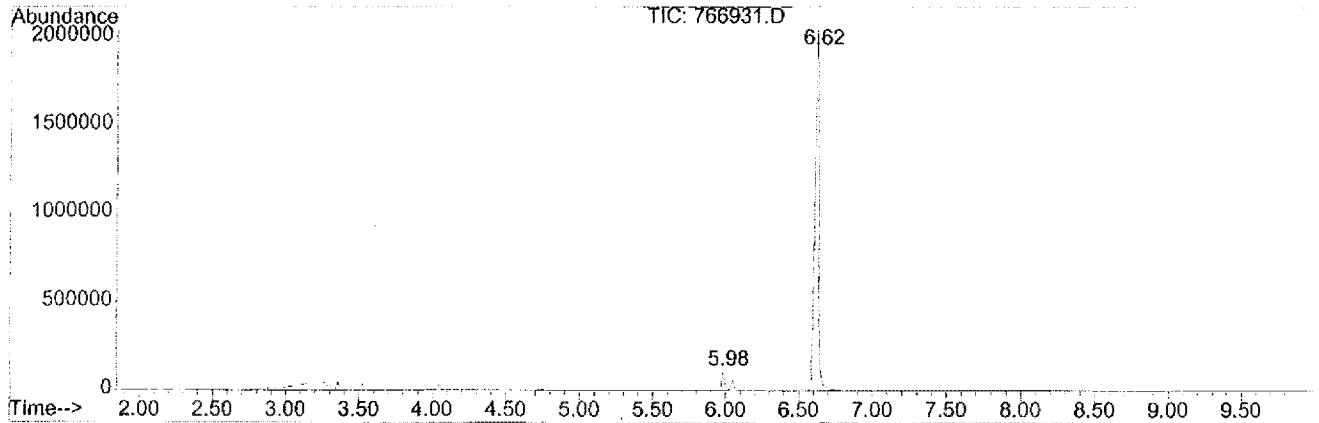
PK#	RT	Library/ID	CAS#	Qual
1	6.61	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766931.D
 Operator : LAG
 Date Acquired : 20 Jan 2011 18:04
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 31
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.980	139978	3.63	3.77
6.620	3711129	96.37	100.00

Area Percent / Library Search Report

Information from Data File:

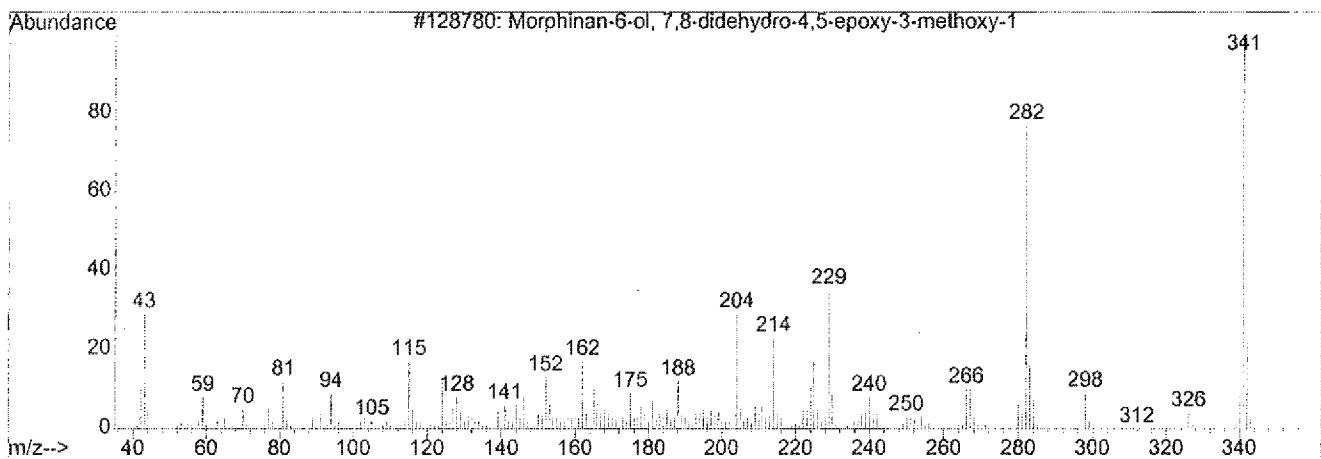
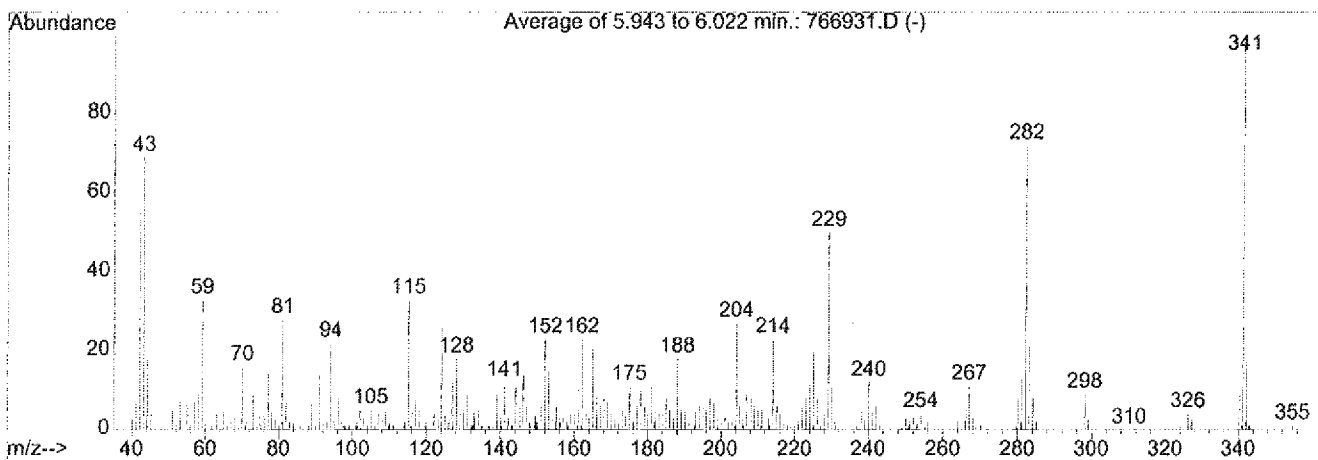
```

File Name       : F:\SYSTEM4\01_20_11\766931.D
Operator        : LAG
Date Acquired   : 20 Jan 2011  18:04
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 31
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	5.98	C:\DATABASE\NIST98.L		
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	99
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	98
		Acetylcodein	1000153-00-2	96



Area Percent / Library Search Report

Information from Data File:

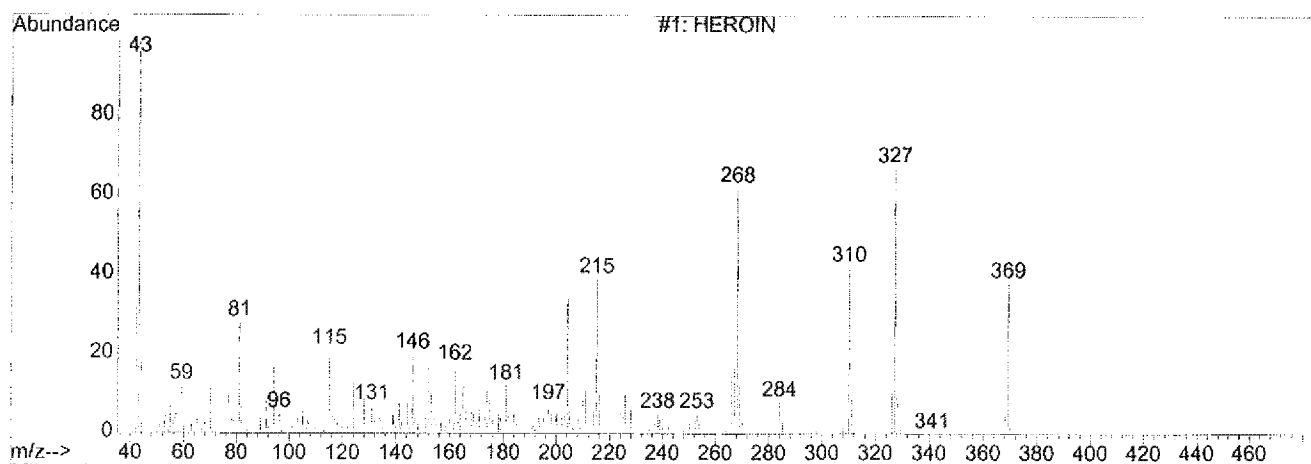
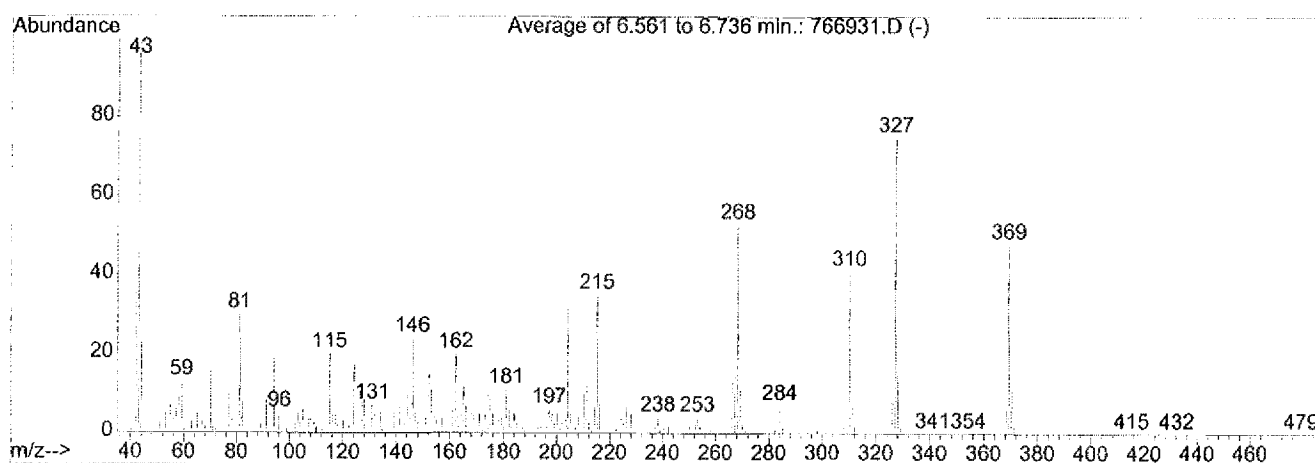
```

File Name       : F:\SYSTEM4\01_20_11\766931.D
Operator        : LAG
Date Acquired   : 20 Jan 2011  18:04
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 31
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

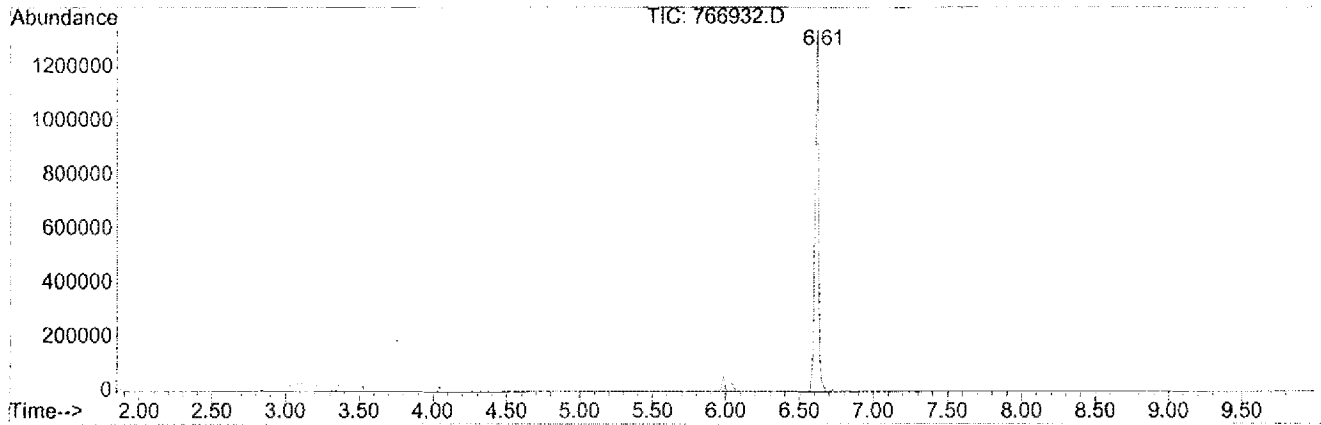
PK#	RT	Library/ID	CAS#	Qual
2	6.62	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766932.D
Operator : LAG
Date Acquired : 20 Jan 2011 18:17
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 32
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.614	2197782	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

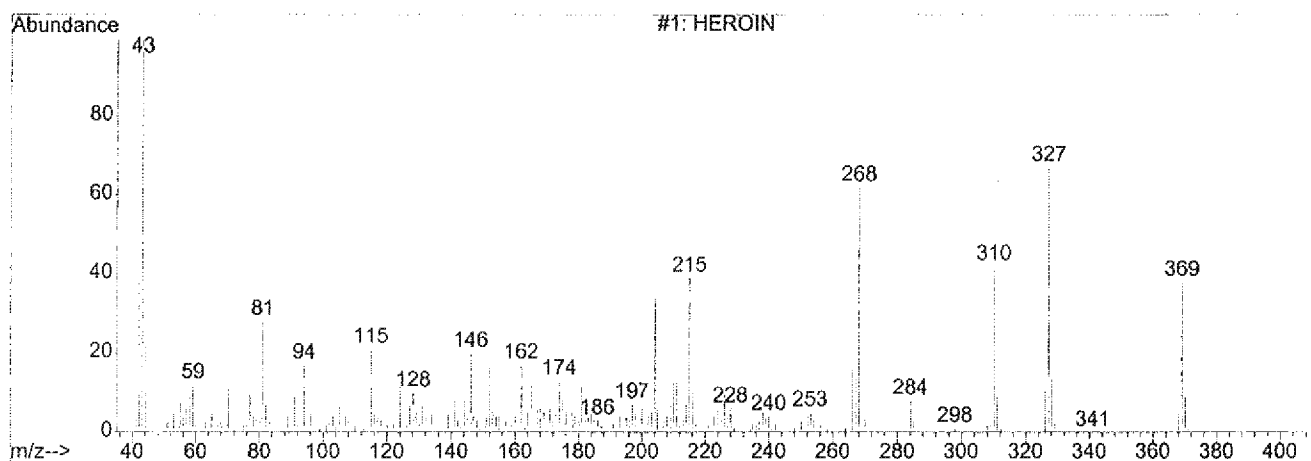
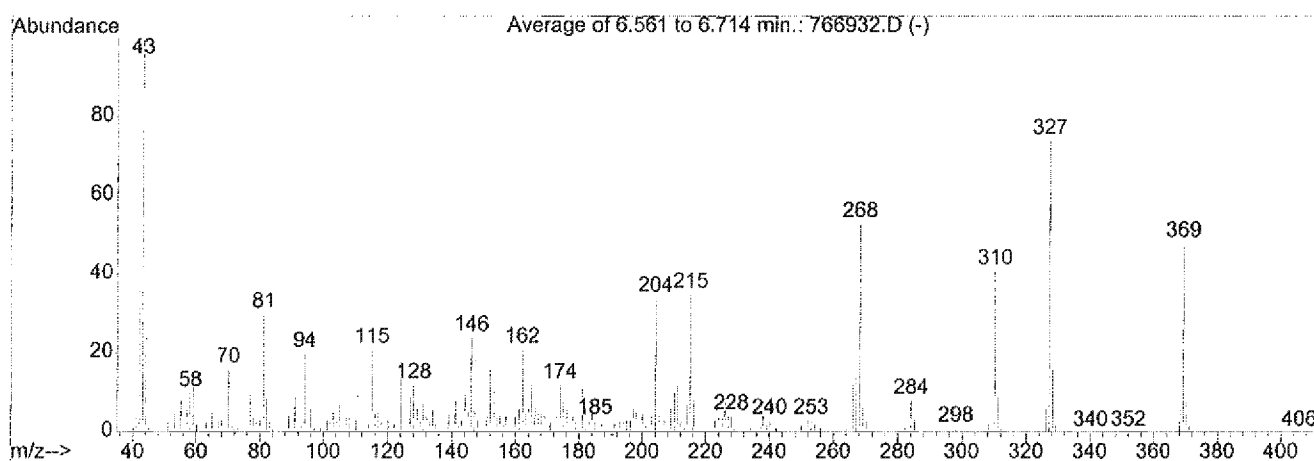
```

File Name       : F:\SYSTEM4\01_20_11\766932.D
Operator        : LAG
Date Acquired   : 20 Jan 2011  18:17
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 32
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

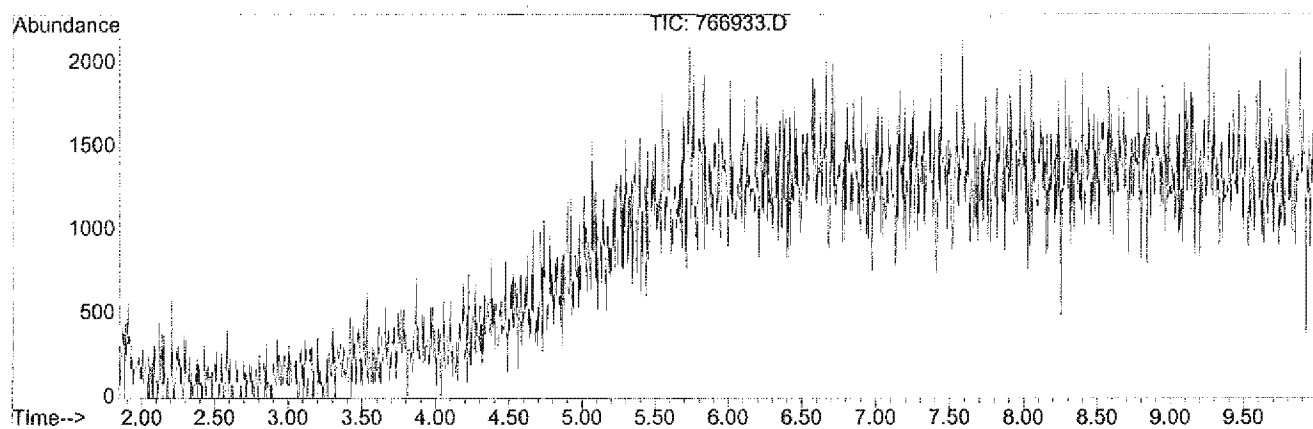
PK#	RT	Library/ID	CAS#	Qual
1	6.61	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766933.D
Operator : LAG
Date Acquired : 20 Jan 2011 18:31
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



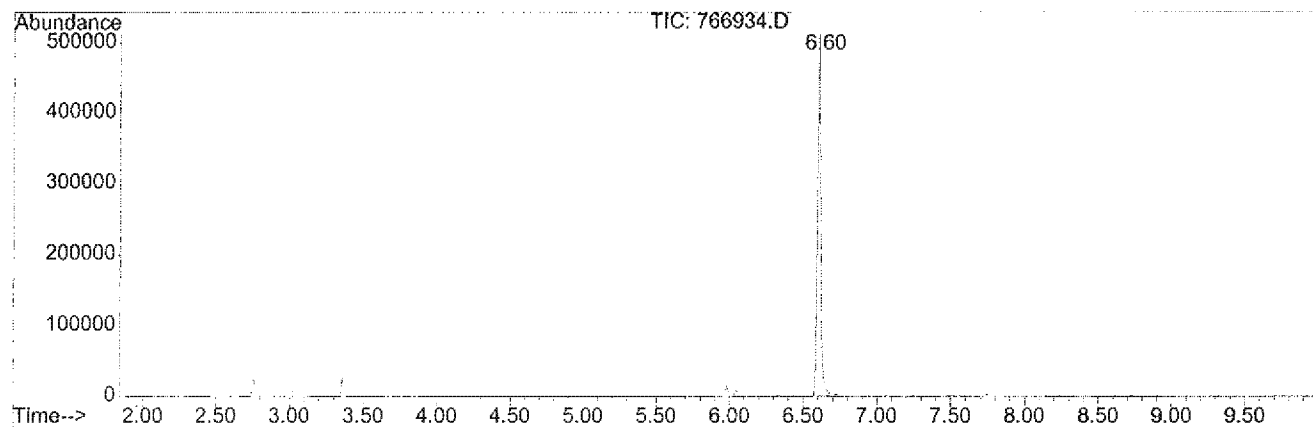
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766934.D
 Operator : LAG
 Date Acquired : 20 Jan 2011 18:45
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 34
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.604	780981	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

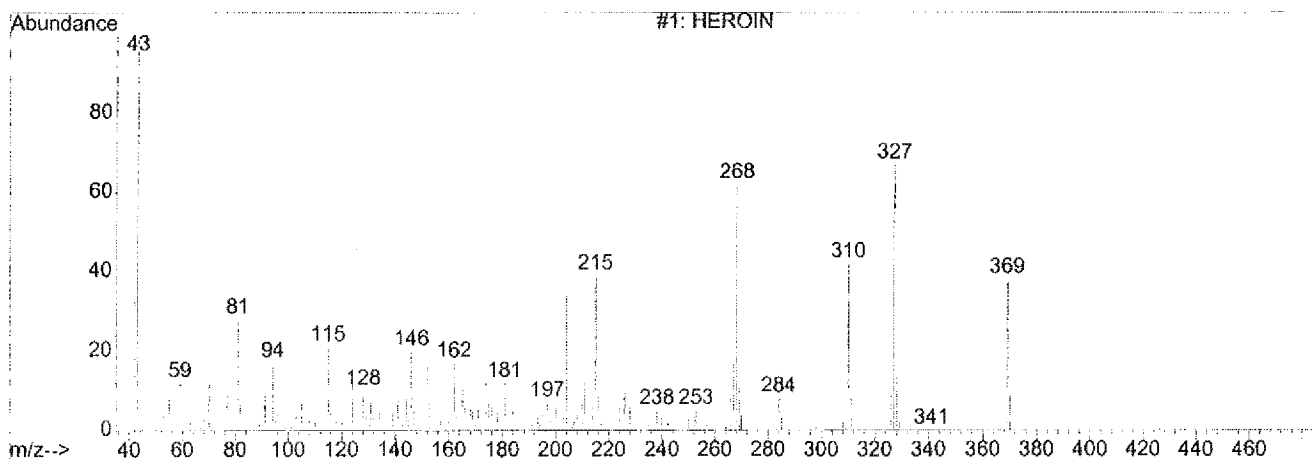
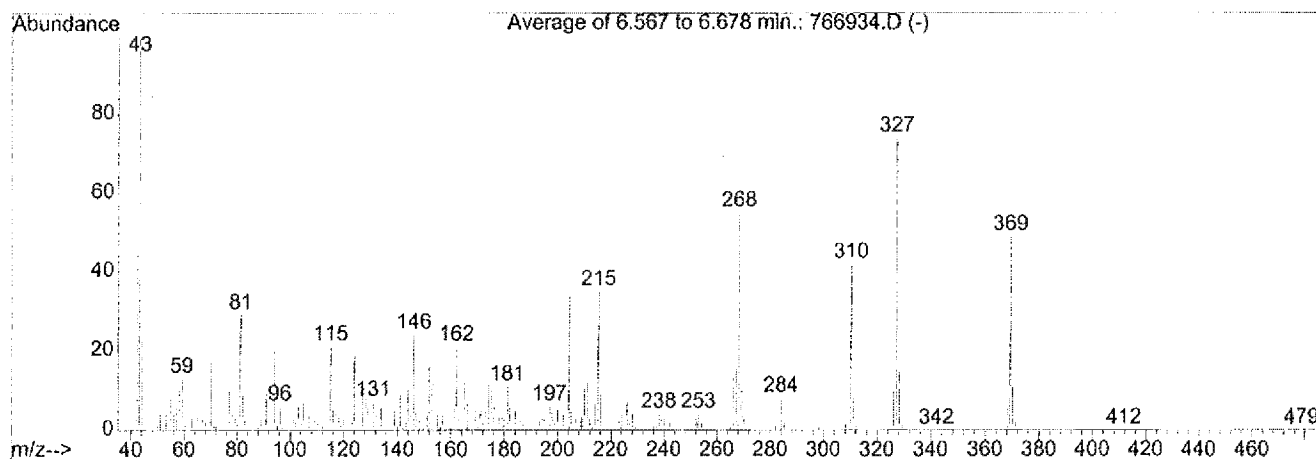
```

File Name       : F:\SYSTEM4\01_20_11\766934.D
Operator        : LAG
Date Acquired   : 20 Jan 2011  18:45
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 34
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

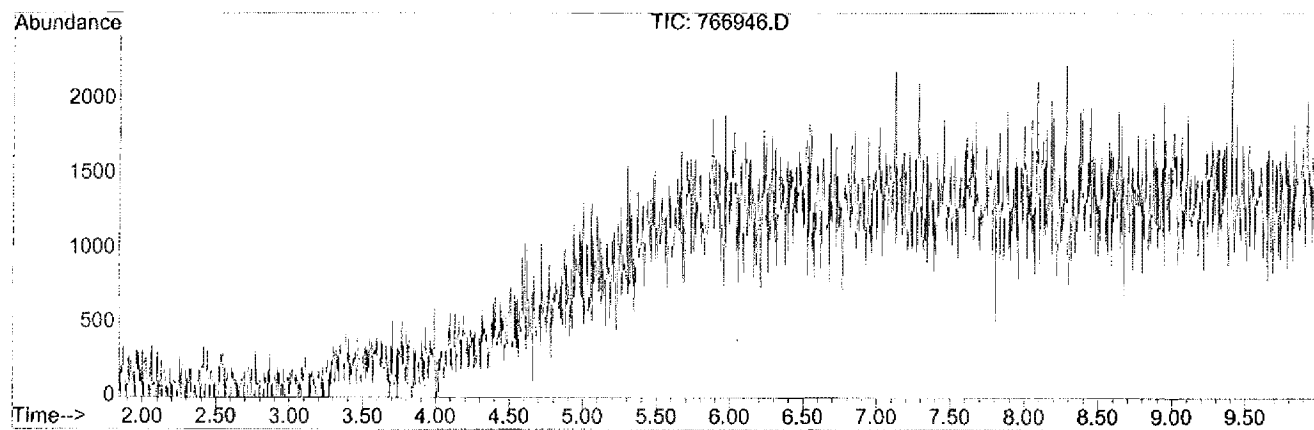
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766946.D
Operator : LAG
Date Acquired : 20 Jan 2011 21:32
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



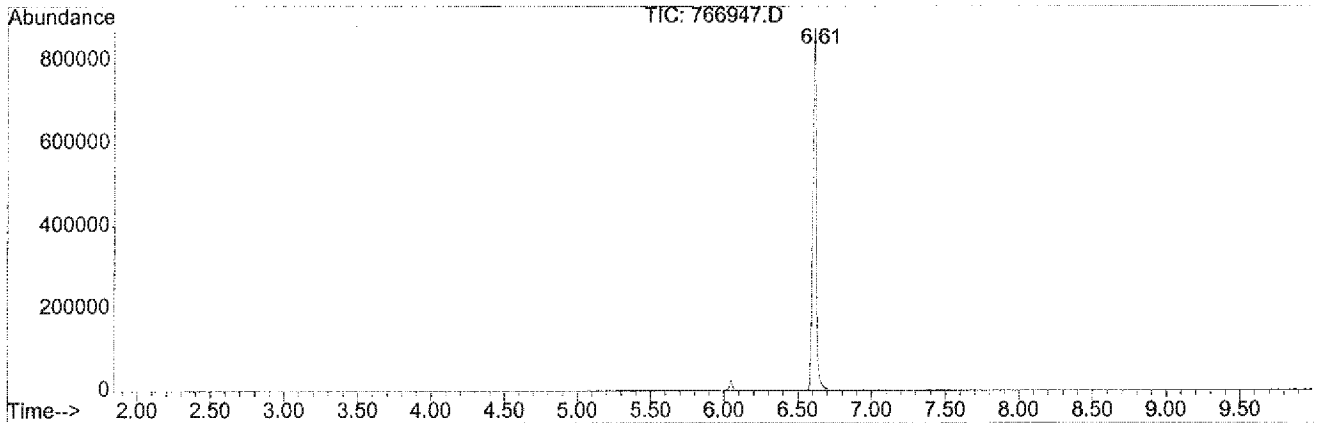
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\01_20_11\766947.D
 Operator : LAG
 Date Acquired : 20 Jan 2011 21:45
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 28
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.609	1435871	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

```

File Name       : F:\SYSTEM4\01_20_11\766947.D
Operator        : LAG
Date Acquired   : 20 Jan 2011  21:45
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 28
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.61	C:\DATABASE\SLI.L HEROIN	000561-27-3	99

